

*Experimental Study of the Ablation of Orthostrasil T
Composite Material in a Free-Flight Wind Tunnel, by
J. Luneau, J. P. Hancy. 20 pp.*

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FRENCH, rpt, Institut Franco-Allemand de-Recherche
Recherches de Saint-Louis. Note Technique T 54/69,
1969, pp 1-28.

AIR/FTD-HT-23-112-71

aug 71

*The Various Flow Patterns in the Wake of a Blunt
Nosed Model in Hypersonic Flight, by J. Gandemer,
H. Fagot. 28 pp.
FRENCH, rpt, Institut Franco-Allemand de Recherches
de Saint-Louis, Not Technique T 3/70, 1970, pp 1-18
AIR/FTD-HT-23-113-71*

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aug 71

AUDITORY LOSS AND RECOVERY IN GUINEA PIGS
AFTER EXPOSURE TO SHOCK WAVES ON

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INSTITUT FRANCO-ALLEMAND DE RECHERCHES DE SAI
NT-LOUIS, MAR72PP1-13#I-XI

ESTC-HT-23-0701-73

GENERAL EFFECT OF SHOCK WAVES ON A LIVING BEI
NG

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LANGUAGE-FR CCOUNTRY-FR

INSTITUT FRANCO-ALLEMAND DE RECHERCHES DE SAI
NT LOUIS, MAR 72PP1-21#1-XXX

FSTC-HT-23-0700-73

Stabilization of Natural Gas Flames by Swirl, by
A. Alix, L. Leroy.
FRENCH, rpt, Inst Franc Comb Energ, 1965, pp 193-215.
NLL Ref: 9022.09 (4860)

Sci/Prop & Fuels
May 69

380,252

Network of Gravimeter Observations in the
Province of Gerona,
GOVERNMENT USE ONLY
SPANISH, per. Instituto Geografico y
Catastral, Madrid, 1969, pp 5-13.
ACIC TC-1647

WE-Spain
Geo
Nov 70

Gravity Maps of the Provinces of Alava,
Guipuzcoa and Vizcaya,
GOVERNMENT USE ONLY
SPANISH, per. Instituto Gergrafico y
Catastral, Madrid, 1969, pp 5-23.
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WE-Spain
Geo
Nov 70

Gravity Map of the Province of Ciudad Real, by
J. Ruiz, 19 pp.
SPANISH, per, Instituto Geografico y Catastral,
Section 1-Geophysics, 1970, pp 1-19.
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Mar 72

General Remarks on the Convergence of the Expansion
of the Earth Potential in Spherical Harmonics,
by J. J. Levallois.

FRENCH, per, Institut Geographique National,
pp 1-18.

*DMAAC

Jan 73

Practical Formulation of the Earth's Gravity Field
by Regionalized Functions, by J. Kovalevsky,
H. M. Dufour, 84 pp.
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DRME/ADOP No 622/67 (12 March 1968) Dec 1970.
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June 72

*A Working Method for Plasma Mechanical Statistics, by
Rolf Dobbertin 46 pp.
FRENCH, per, Institut Henri Poincare, Paris Physique
Theorique. Section A, Vol 9, No 1, 1968, pp 45-87
AIR/FTD-HT-23-1435-71*

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mar 72

Agency U.S. Environmental Protection Agency
File Number EPA TAG 028(L) 9828/0194

4 Apr. 73

Title Technique for the Virological
Examination of Water and Liquids

Author Silvia Toro

Source Institute di Igiene

pp 467-484

Language Italian

Special Instructions Please translate
and type one copy only. Type single
space no extra-sp. **Leave space.**

Notes Please rush

Automatic Welding of 9% Nickel Steel Plate for
Large Storage Tanks for Liquefied Natural Gas,
by G. Rosa and G. Bova.

ITALIAN, rep. Paper to Istituto Italiano della
Saldatura Conf., Genoa, 22-23 Oct 1970,
CHIST 8994

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feb 71

The Concentration of the Venezuelan Population,
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Universidad Central de Venezuela, Caracas,
1968, pp 49-81.
JPRS 50416

LA-Venezuela
Pol
May 70

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Four-Dimensional Geodesy and Its Significance
for Natural Science, by M. Bonatz, 5 pp,
GERMAN, Institut fur Kartographie und Topogra-
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The Local Behavior of the Vertical Gravity
Gradient, by H.J. Gottschalk, 8 pp,
GERMAN, Institut fur Kartographie und Topogra-
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urements, by K. R. Koch, 10 pp

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GERMAN, Institut fur Kartographie und Topogra-
phie der Universitat, 1970, pp 82-93.

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Calculation of the Vertical Gravity Gradient
in the Exterior Space, by B. Witte, 8 pp,
GOVERNMENT USE ONLY
GERMAN, Institut fur Kartographie und Topogra-
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pp 133-142.
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A Shortened Iterative Determination of Rotation
Matrices in the Transformation of Point Aggre-
gates, by B. Wrobel, 13 pp.

GOVERNMENT USE ONLY

GERMAN, Institut fur Kartographie und Topogra-
phie der Universitat Bonn, 1970, pp 143-157.

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Jun 71

Completed Special CSO 2616/70
RADICAL PARTY OF CHILE DESCRIBED
BY Heino Froehling: Santiago de Chile,
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Sociales (ILDIS), Friedrich-Ebert Foun-
dation, 1969, ppl-50.

Marketing of Edible Marine Fishes in Peru, by
W. F. Doucet.
INSTITUTO DEL MAR DEL PERU INFORME, No 5, 1965,
pp 1-69.
*NAVY/NOO

Mar 73

The Accuracy and Reliability of Roughness
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AEC/UCRL-Tr-10398-69

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Jan 70

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Evaluation of Crude Petroloum of Mexican
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Revista, Vol 1, No 4, 1969, pp 59-66.
NTC-71-12655-07C

Nov 71

Automatic Character Recognition. 79 pp.
FOR OFFICIAL USE ONLY FOR INTERNAL USE WITHIN THE
DEPART OF DEFENSE ONLY. THIS DOCUMENT IS NOT
RELEASABLE TO DEFENSE DOCUMENTATION CENTER.
GERMAN, rpt, Institut fur Nachrichtenverarbeitung
und Nachrichtenubertragung. Universitat (TH Karlsruhe)
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General Principles on the Use of Antimicrobial
Agents, by P. A. Reyes
EUROPEAN, per, Instituto (Nacional) de Cardiologia.
Mexico City. Archivos, Vol 40, 1970, pp 74-90
NTC 71-16774-060

Feb 72

The Mangrove Oyster *Crassostrea Rhizophorae*
Guilding, 1828, by M. Nikolic, et al. 31 pp.
SPANISH, rpt, Instituto Nacional de la Pesca,
Cuba, Nota Sobre Investigaciones, No. 7, Centro
de Investigaciones Pesqueras, September 1968.

*BCF

IT 69-52052

sci/b and n
sept 69

PATENT FOR IMPROVED ANTENNA REFLECTOR ISSUED
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GOVERNEMENT

INSTITUT NATIONAL DE LA PROPRIETE INDUSTRIELLE

FS 10-CH-25-1074-72

Bulletin of the Boris Kidric Institute of
Nuclear Sciences. 250 p.
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*CPSTI
AEC-tr-6646

EE-Yugoslavia
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Mar 66

Instrumentation for Measurement and Analysis of Radio-
active Samples, by S. Muzdeka, P. Frantlovic. 7 pp.
YUGOSLAVIAN, per, Institut za Nuklearno Nauke Boris
Kidric, Belgrade, 1969, pp 1-6.
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may 71

M. Raynaud

*Catalog of the principle silver photographic emulsions
used in scientific work. 38 pp.*

*FRENCH, Institut d'optique theorique et appliquee,
1971, pp 1-24*

AIR/FTD-HC-23-1147-72

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Development of an Assay Technique on Drosophila
of a Vesicular Virus Adapted to this Insect,
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FRENCH, per, Institut Pasteur. Paris. Annales,
vol. 114, 1968, pp. 669-679.

NTC 71-12749-06M

Resistance to Antibiotics of 270 Shigella
Strains, Subgroups A and C, by D. Piechaud.
FRENCH, per, Institut de Pasteur Paris.
Annales, Vol 116, 1969, pp 205-209.
NTC-70-13282-06M

Feb 72

Study on Techniques for Purification of
Algal Cultures. Elaboration of Methods
Applicable to Diatoms, Desmidiaceae and
Filamentous Cyanophyceae, by M. Tassigny.
FRENCH, per, Institut Pasteur Paris, Annales,
Vol 117- 1969, pp 64-75.
NTC-70-12979-06M

Feb 72

Agency: AEC/TENN.
P.O.No. DRM-70-19

R-10998-D
3 Nov. 69

Title: Schwefel-Isotope aus ~~ELIXIR~~ Blei-Erzen von
Oberschlesien

Author: Kurt V Gehlen

Source: Insitutit fur Petrologie, Geochemie & Lagersta-
ttenkunde der Universitat Frankfurt a. M. W.G.

Language: German 3 pp

Special Instructions: Please tranalate & type one copy
only, paste-up .

Agency: USDA/ARS

R-12497-8

P. O. No. PB-10093-ARS-71

15 Dec. 70

Title: Ein Kaffeesäure Enthaltendes Produkt aus
Unvollreifenfrüchten.

Author: C.H. Brienkorn, A. Mosandl

Source: Institut für Pharmazie und Lebensmittelch.
der Universität Würzburg

Language: German

Special Instructions: Please translate & type
one copy only.

IPK RESEARCH REPORT 68-1
Detection of Weak Signals in Noise, by W. Mainka.
36 pp.
FOR OFFICIAL USE ONLY FOR INTERNAL USE WITHIN THE
DEPART OF DEFENSE ONLY. THIS DOCUMENT IS NOT
RELEASABLE TO DEFENSE DOCUMENTATION CENTER.
GERMAN, RPT, Institut fuer Phonetik und Kommuni-
kationsforschung Universitaet Bonn. IPK Forschungs-
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cations Research, University of Bonn) 1967,
pp 1-50.
AIR/PTD-HC-23-157-70

nov 70

Nonadaptive and Adaptive Voice Signal Identification
(NASI and ASI) A Preliminary investigation of
DAWID II, by K. Kotten. 25 pp.
FOR OFFICIAL USE ONLY FOR INTERNAL USE WITHIN THE
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GERMAN, rpt, Institut fuer Phonetik und Kommuni-
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sbericht 68-1(Institute for Phonetics and Communi-
cations Research, University of Bonn) 1967,
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nov 70

Agency: How-Public Health Service
P.O.No.

R-9983-D
16 December 1968

Title: Tunisian Research on Bovine Tuberculosis

Author: -----

Source: Institut de Phtisiologie, ~~XXX~~ Ariana Tunisia

Language: French

Spaecial Instructions: Please translate and type 1 copy

Air Force 67-19

R-9026-D

21 Dec 67

Untersuchungen mit inhibitoren als loschmittel mit
antikatalytischer wirkung (Vorlaufiger Bericht)

By:

From: Institut fur physikalische chemie der universitat
göttingen Forschungsauftrag Nr. 3/55 (20 pp)

German - est for wds:

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can be cut. and 1 carbon copy.

4(UCRL-Trans-10641) 1PREDICTION OF THE REDOX
PROPERTIES OF THE SUPERHEAVY 8s, 7p, AND 6d ELEMENTS.
1David, F. 1(Paris Univ., Orsay (France)). Institut de Physique
Nucleaire). 10Translated for Univ. of California, Lawrence Liver-
more Lab., Livermore, from report 11RC-71-06. 1029p. 11Dep.
NTIS.

11chemistry (physical); translations 1107D

10MN-4 10P NSA

Agency: Naval Ship Res. & Dev. Lab. H-12477-D
P.O.No. NO1533-71-M-2207 8 Dec. 70

Title: Elektronenstruktur und Supraleitung

Author: J.Muller, R.Flukiger, F.Heiniger et al

Source: Institut de Physique de la Matiere Condensee,
Universite de Geneve, CH-1211 Geneve

Language: German

Special Instructions: Please translate & type one copy
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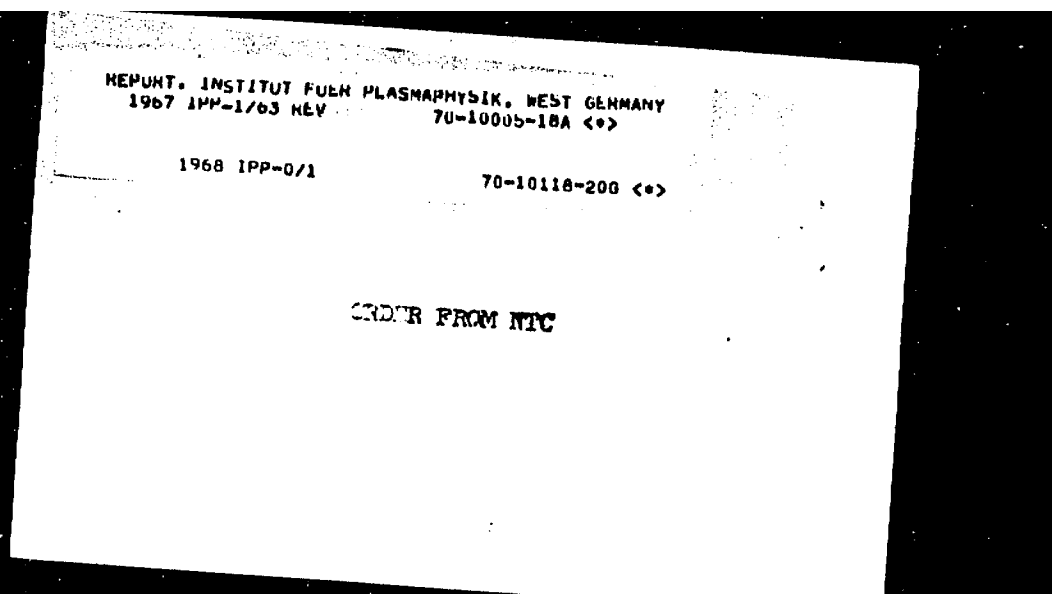
Institut fuer Plasmaphysik

Measurements of Electron Temperature in an
Argon-Potassium Plasma, by W. Riedmüller,
48 pp.

GERMAN, rpt, IPP 3/31, 1965. P911103967
AEC NP-Tr-1498

324,322

Sci - Nuclear Sciences
Apr 67



AEC

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BY RAPIDLY VARYING MAGNETIC FIELDS. Oswald, B.
(Institut fuer Plasmaphysik, GmbH Garching (West Germany)).
Translated by J. B. Sykes (Culham Lab., Abingdon, Eng.).
12p.

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ND-38 NP RC

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Development of an X-Ray Spectrometer and
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X-Rays, by M. Kornherr.
GIESSEN, per, Institut für Plasmaphysik,
G.m.b.H., Feb 1965. 9231991
OCRL-Tr-1276

Sci - Phys
Mar 66

296,532

Agency: AEC/Yenn.

P.O. Number: DK-70-35

R-11223-0

16 Jan 79

Title: Potential Distribution in a Two-Emitter-Diode

Author: M. Troppmann

Source: Institut fuer Plasmaphysik. Garching
Bei Muenchen.

Language: German

Special Instructions: Translate only Cover
Page, Table of Contents, page 54 starting
with 6. DISKUSSION through page 56.

Air Force 7-60 67-21C

R-9104-D

19 Jan 68

Ladungstragerverlustmechanismen im schwachionisierten
toroidalen magnetoplasma +) Ionized Toroidal
Magnetoplasma

By: F. KARGER

From: Institut für Plasmaphysik, Rpt IPP 2/56 (Feb. 1967)
(45 pp)

German - est for wds:

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72.7

An Electrostatic Analyser For Measuring the
Energy of Ions and Electrons From Hot Plasmas,
by H. Hiedermayer.

GERMAN, per, Institut fur Plasmaphysik, GmbH,
Report IPP-1/66, 1967, 68 p.

*NASA TT F-11,924

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ANISOTROPIC DEUTERIUM PLASMAS FROM TIME-RESOLVED
NEUTRON SPECTRA. 6Neuhauser, J. 7(Institut fuer Plasmaphysik,
G.m.b.H., Garching (West Germany)). 10Translated for Oak Ridge
National Lab., Tenn., from report 11IPP-1/109. 2047p. 24Dep.
NTIS.

26physics (plasma); translations 27201

28MN-34 29P NSA

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11 (CTO 742) 3 EXPERIMENTS WITH A LINEAR 1
equals 1 HIGH-beta STELLARATOR ON ISAR I. 6 Kaufmann,
M.; Fuenfer, E.; Junker, J.; Neuhauser, J. 7 (Institut fuer
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lated by J. B. Sykes (U.K.A.E.A., Culham Lab., Abingdon, Eng.),
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26 fusion devices (thermonuclear); translations 27 18A

28 MN-20 29 NP NSA

Measurement of Shock Fronts in Argon-Filled
Membrane Shock Tubes Made with a Differential
Interferometer, by W. Zimmerman, 33 pp.

GERMAN, rpt, Inst. fur Plasmaphysik 3/57,
Sept. 1967. P911276668-V

AEC--Sc-T-68-1539

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Nov 68

368,923

Agency: Army/Redstone
MIPR No. 971-60100-00-7016

R-11601-8
4 May 70

Title: Numerical Computation of the Production of a
Dense Plasma by Irradiation of a Solid by
a Laser

Author: P. Mulser and S. Witkowski

Source: Institut für Plasmaphysik, Garching near
Munich, Germany; pp 1-8 (1968)

9 pp

Language: German

Special Instructions: Edited draft only

Determination of the Blastwave Energy of a Laser-
Induced Gas Breakdown, by K. Hohla, 59 pp.

GERMAN, rpt, Institut fuer Plasmaphysik, IPP,
No 3/67, Jan 1968, pp 1-52.

Dept of Navy NIC Trans 3035

NAV/NIC

Sci/Phys

May 70

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Radiation Losses of a High-Density Z-Pinch, by
H. Kaufmann, 57 pp.
GERMAN, Rpt, Institut für Plasmaphysik, Rpt No.
IPP 1/86, August 1968.
AEC/SC-Tr-70-4044

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Dec 70

Experimental and Theoretical Investigation of
Low-Frequency Instability in a Modified PIG
Discharge, by F. Klan.

GERMAN, rpt, Inst fur Plasmaphysik, IPP 3/92,
Apr 1969, 71 pp.

*NASA TT F-12,648

Oct 69

111 11 (UCRL-Trans-10621) 1 PRODUCTION OF HOT PLAS-
MAS OF SOLID-STATE DENSITY WITH ULTRASHORT LASER
PULSES. 2 Salzmann, H. 3 (Max-Planck-Institut fuer Plasma-
physik, Garching (West Germany)). 4 Translated for Univ. of
California Lawrence Livermore Lab., Livermore, from report
5 IPP-IV-23. 6 20+2p. 7 24 Dep. NTIS.

8 physics (plasma); translations 9 27 201

10 MN-34 11 P NSA

ABC
CTO-760 Uncl.

GRAPHS FOR THE DETERMINATION OF PLASMA PARAMETERS BY LIGHT SCATTERING EXPERIMENTS. Kegel, W. H. (Institut fuer Plasmaphysik, G.m.b.H., Garching (West Germany)). Translated by J. B. Sykes (Culham Lab., Abingdon, Eng.), from report IPP 6/34. 52p.

physics (plasma); translations

ND-34 NP RC

Unlimited

At C. (UCRL-Trans-10633) ⁵PICOSECOND NEODYMIUM-
GLASS LASER IN THE TERAWATT RANGE. ⁶Salzmann, H.
⁷(Max-Planck-Institut fuer Plasmaphysik, Garching (West Ger-
many)). ¹⁰Translated for Univ. of California, Lawrence Liver-
more Lab., Livermore, from report ¹¹IPP-IV/21. ²⁰59p. ²⁴Dep.
NTIS.

²⁶physics (plasma); translations ²⁷201

²⁸MN-34 ²⁹1⁰ NSA

Calculation of the Ion-Trajectories
in Front of a Field Emission Tip,
by H. Vernickel.
GERMAN, per, Germany, West. Institut
fuer Plasmaphysik, 1970.
NTC 72-11130-20I

May 72

Agency: Library of Congress
P.O.No. LB72-1213

R-14544-D
16 Feb. 72

Title: Fabrication of Wet Resistant Papers an Addition
of Polyamid-Polyamin-Epichlorhydrin Resin.

Author: E.Poppel, I. Bicu

Source: Institut Politechnic, Rumanien Vol 22 1968

Language: German

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T988

COUPLING OF MONOCHROMATIC WAVES IN AN
ELASTOHYDRODYNAMIC MODEL

ZOLER D; DEUTSCH R V

RU: IASI, INSTITUTUL POLITEHNIC,

BULETINUL, 1969, vol 15, nr 1-2, pp 143-150

*In process as**HC-23-71-298**Negative
25 Nov 71*

Disease Similar to Hodgkin's Disease in the
Mouse. Type B Reticulocellular Neoplasm,
EUROPEAN, per, Instituto Portugese de Oncologia.
Boletim, Vol 36, No 6, 1969, pp 1-6.
NTC-70-13022-06E

Feb 72

Inacol Monthly Bulletin.
FRENCH, per, Institut Pour L'Amelioration des
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1967, pp 1-33.
ACSI J-2627
ID 2204023867

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Eighth Report on Position Finding. The Cutoff
Problem: Combining Free Flight and Return Flight:
Uniform Angle for Installation of the Accelerometers,
by Th. Zech, 9 pp.
GERMAN, rpt, Inst Praktische Math, Tech Hochschule,
Darmstadt, April 1941, pp 1-10.
ARM/RSIC-994-70

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Pedologic Cover of Western and Northwestern
Serbia, by D. Tanasijevic, G. Antonovic.
SERBO-CROATIAN, bk, Institut za Proucavanje
Zemljista u Topcidaru, 1966.
CFSTI TT 67-58025

Sci/Ear Sci
Nov 68

370,283

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Institut Reaktorsicherheit
(West Germany)

Progress Report on Research Projects Sponsored
by the Federal Ministry of Scientific Research
and Applicable to the Reactor Safety Aspect, by
A. Tietze. 51 pp.
GERMAN, rpt, IES-F-2.
AEC-ORNL-tr-2244

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The Spherical Pile Reactor as a Thermal
Thorium Breeder. Part I. Graphite as
Moderator, by S. Brades.
GERMAN, rpt, Institute fur Reaktorentwick-
lung. Kernforschungsanlage Julich des
Landes Nordrhein-Westfalen, e.V.,
No 474, Julich, January 1967, 43 p.
NASA TT F-11,705

Sci/Nucl Sci
Oct 68

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REPORT. INSTITUT FÜR REAKTORSICHERHEIT.
TECHNISCHER UEBERWACHUNGS-VEREIN E. V. COLOGNE
IRS-F-2 ORNL-TR-2244 <=>

*Recommendations for regularly recurring tests of the
safety of nuclear power stations.*

*GdRMAH, rpt, Institut für reaktorsicherheit der
technischen überwachungsvereine EV, Report No. ISS-R-1*

1969
LSB trans 495

July 72

Safety criteria for nuclear power stations
Sticht, rpt, Institut für reaktorsicherheit der
technischen überwachungsvereine EV, Report no. IRS-R-2
1969

100 421

July 72

Determination de la Conductibilite Thermique
a l'Aide de la Methode Acalorimetrique, by
E. Dimitriu-Vilcea.
FRENCH, per, Institut de Recherches de
Batiment et de L'Economie en Construction
(INCERC), 1965, 14 pp.
*CESTI TT 67-59031

Jun 67

Realization of any Desired Type of
Storage Unit with the Aid of Components
from a Newly Developed Pneumatic Logic
System, by S. Pilz, 12 pp.

GERMAN, bk, Institut Fur Regelungs-Und
Steuerungstechnik Der Deutschen
Akademie Der Wissenschaften, Deutschland;
Institut Fur Automatisierung Und Kybor-
netik, Moskau Papers 1.3 and 1.4 of
Session 1, Paper 6.2 of Session 6.

21-23 Oct 65, 1965, pp 1-10

PI00207468-V

FTD-HT-67-408

Sci/Electro/Electri Engr 364,207
Sep 68

Pneumatic Logic Elements and
Associated Peripheral Devices, by
H. Topfer, 19 pp.
GERMAN, bk, Institut Fur Regelung-
und Steuerungstechnik Der Deutschen
Akademie Der Wissenschaften, Deutsch-
land; Institut Fur Automatisierung Und
Kybernetik, Moskau. Papers 1.3 and 1.4
of Session I, Paper 6.2 of Session 6.
21-23 Oct 65, 1965, pp 1-17
P100207468-V
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Sci-Electro/Electri Engr 364,206
Ser 68

Homogeneous Microelectronic Structures
and New Principles for the Manufacture
of Logical and Sequential Installations,
by I. T. Prangischvili, E. V. Babicheva,
19 pp.

GMDH, bk, Institut für Regelung- und
Steuerungstechnik der Deutschen Akademie
der Wissenschaften, Deutschland;

Institut für Automatisierung und Kyber-
netik, Moskau. Papers 1.3 and 1.4 of
Session I. Paper 6.2 of Session 6,

21-23 Oct 65, 1965, pp 1-19

TI00207468-7

REF ID: A67-408

Ref. Electron. Electron. Engng. 1965, 12, 202

A Gamma-Quantum Spectrometer for
Measurements in the Atmosphere,
by D. Kohn, et al.
GERMAN, rpt, Institut für Reine und
Angewandte Kernphysik der Christian-
Albrechts-Universität Kiel, 17 p.
Feb 1966.
NASA TT F-10,641

Sci-Atmospheric Sci
Mar 67

320,858

Lehmann, Johannes

1970

The dependence of the enzymatic activities in the trunk
muscles of Idus idus L. on the adaptation temperature
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